



 **SECUR→ED**
SECured URban transportation - European Demonstration

<http://www.secur-ed.eu/>

FP7 SECUR-ED Demonstration Project
Security solutions for urban transportation



→ SECured URban transportation – European Demonstration

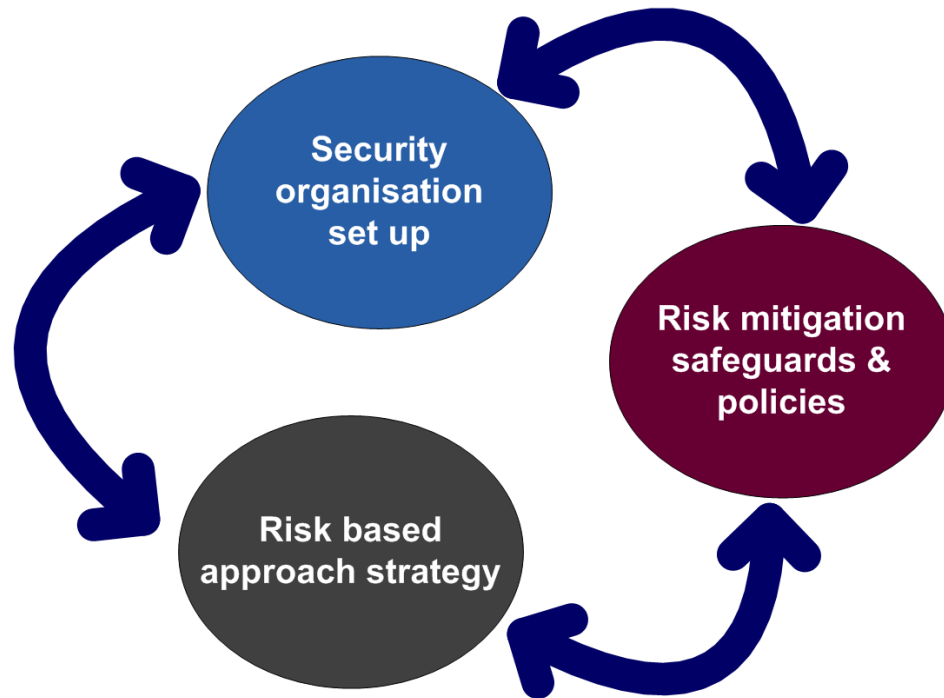
- Call FP7-SEC-2010-1, Security in Mass transportation, ID = 261605
- Budget = 40M€, EC Funding = 25 M€, the biggest FP7 Security project
- Starting date: 1st April 2011
- Duration: 42 months (end September 2014)

→ The main objective of SECUR-ED is to provide urban public transport operators of large and medium European cities with the means to **enhance urban transport security**

→ In an multi-modal environment (transport nodes), taking into account various legal, cultural and societal environments

→ This shall also enlarge mass transport security market for the European industry

The public transport security concept comprises three key interrelated elements



Security organisation

Includes interfaces with internal and external bodies

Security risk management plan

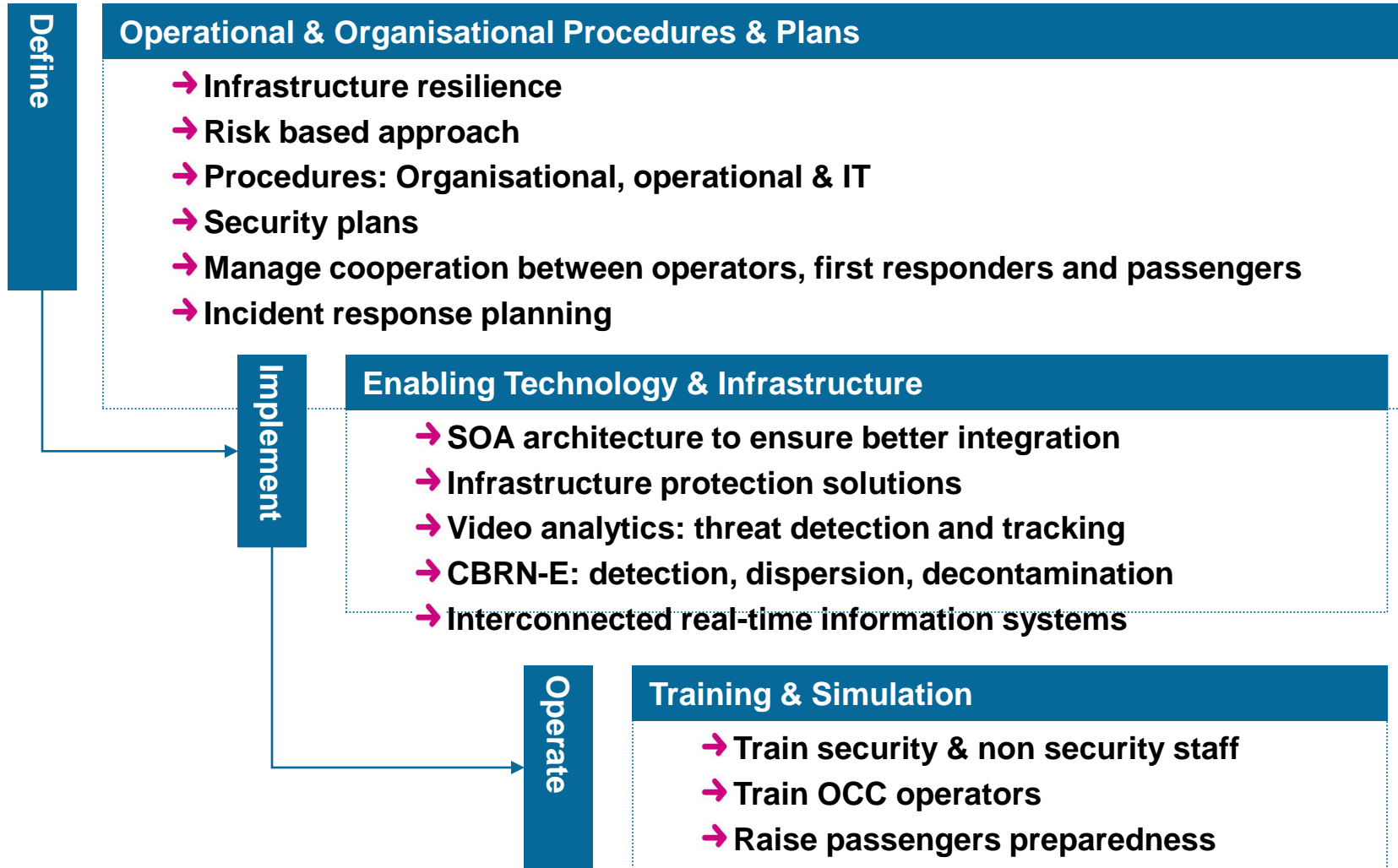
Assimilation of a structured, comprehensive security risk management process

Security risk mitigation safeguards

Include operational arrangements; procedures; technological, communication and information management systems; physical protection means; incident response; and business continuity planning

PTOs need to adopt a comprehensive and holistic approach to security as an integral part of the service they provide to their passengers

The toolkit: procedures, technologies, training



From solutions to demonstrations

Toolkit	<ul style="list-style-type: none">→ Operational Procedures→ Enabling Technologies→ Training	Define generic security toolkits for Public Transport Operators
Flagship demonstrations	<ul style="list-style-type: none">→ Madrid→ Paris→ Milan→ Berlin	Showcase solutions in large city multimodal nodes with pre-defined scenarios
Additional demonstrations	<ul style="list-style-type: none">→ Bucharest→ Lisbon→ Brussels→ Izmir→ + 2 Additional cities	Apply the SECUR-ED toolkit to medium cities transport networks, from risk assessment to mitigation

4 Flagship demonstrations scheduled in 2013

Paris: limit event impacts

- Video tracking of identified suspects
- CBRN-E detection systems
- Cyber-security
- Fast service restoration



Madrid: enhance stakeholders cooperation

- Identification of priority procedures
- Orchestration of coordinated response from different stakeholders
- Interconnection of real-time information systems



Milan: the power of prevention

- Video tracking of identified suspects
- Depot/Yard and vehicle protection
- Crisis management
- System of systems integration



Berlin: training

- Awareness raising
- Fast service restoration
- Staff and public training



The 4 demos prove relevance of selected solutions in the field, through complementary pre-defined scenarios

Risk assessment performed in 9 European mid-size cities

- Bilbao, Brussels, Izmir, Lisbon, Bucharest, Krakow, Bergen, Gaziantep, Flensburg
- Apply the risk assessment method to various modes of operation
- Identify security solutions relevant to the identified risks

to demonstrate applicability in six of these cities

- Demonstrate the scalability and modularity of the solutions
- Assess security enhancement and cost-effectiveness
- While respecting privacy
- In different cultural and legal environments

**Apply the complete toolkit to answer various security situations
from risks assessment to concrete solutions**

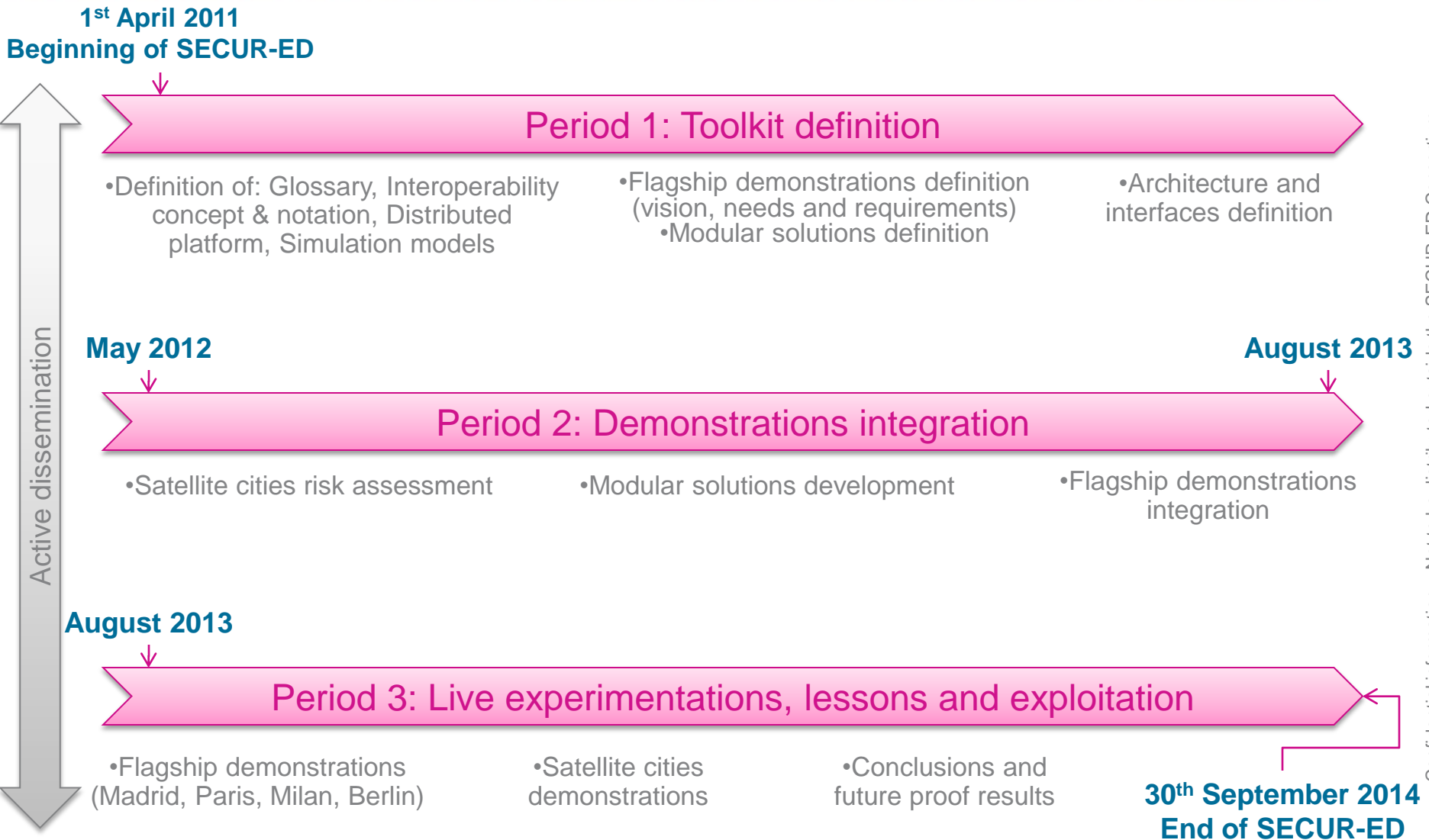
From demonstrations to availability of solutions

- **Support the standardisation of solutions, and the creation of a European common market for mass transport security solutions**

- **Define and promote**
 - Open solutions (non-proprietary) within the industry
 - Applicable both to mid-size and big European cities
 - Long-term guarantee of solutions performance and improvement
 - Methods, process, tools, etc. making multi-operators work together/jointly
 - Best practices respecting privacy

- **Prepare the “city of the future”, where each organization would be able to interact with any other urban security stakeholder (transport operators, first responders, city, authorities, etc.)**

SECUR-ED – Schedule Overview



Confidential information – Not to be distributed outside the SECUR-ED Consortium

A consistent and balanced consortium – 40 partners

Operators

ATM	Italy
DEUTSCHE BAHN	Germany
RATB (Bucharest)	Romania
EMEF	Portugal
RATP	France
EMT MADRID	Spain
SNCF	France
FNM MILANO	Italy
STIB	Belgium
TCDD	Turkey

SME

EDISOFT	Portugal
HAMBURG CONSULT	Germany
ICCA	Spain
INOV	Portugal
MTRS3	Israel
INECO	Spain
G. TEAM	Israel

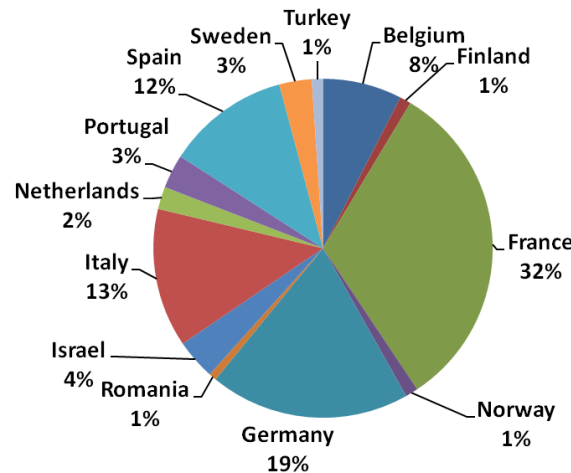
Industries

THALES TCS (coordinator)	France
ALSTOM TRANSPORT	France
ANSALDO STS	Italy
BOMBARDIER TRANSPORTATION	Germany
NICE	Israel
MORPHO	France
AXIS	Sweden
SELEX ELSAG	Italy

Research

CEA	France
FOI	Sweden
FRAUNHOFER	Germany
JRC	Europe
PADERBORN UNIV.	Germany
STAVANGER UNIV.	Norway
TNO	Netherlands
TU DRESDEN	Germany
VTT	Finland
WUERZBURG UNIV.	Germany

Total costs by country



Authorities, Organisations

EOS	Belgium
STSI	France
CRTM	Spain
UITP	Belgium
UNIFE	Belgium

Thales is the Project Coordinator

- Put together reusable and realistic solutions
- In the real difficult environment of urban transportation
- Through multiple in-service demonstrations conducted all over Europe
- Respecting privacy and cultural local traditions
- Allowing
 - Operators to assess security benefits of affordable implementations
 - Passengers to see, participate and discuss their impact, and
 - Authorities to improve the resilience of mass transportation

SECUR-ED Partners

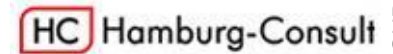


THALES

ALSTOM



BOMBARDIER
TRANSPORTATION



ineco



For more information please visit:
<http://www.secur-ed.eu/>

Thank you